

BILL NO. S-76-07-36

SPECIAL ORDINANCE NO. S-

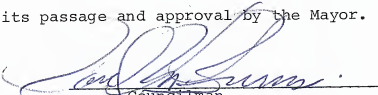
144-76

AN ORDINANCE approving Change
Order No. 10 in connection with
Division I of the Water Pollution
Control Plant Expansion Project.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF
FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 10 to Hagerman-
Shambaugh in connection with Division I of the Water Pollution
Control Plan Expansion Project in the amount of \$14,723.00,
as set out in the specifications, is hereby in all things
ratified, confirmed and approved.

SECTION 2. This Ordinance shall be in full force and
effect from and after its passage and approval by the Mayor.


Councilman

APPROVED AS TO FORM
AND LEGALITY.


CITY ATTORNEY

DATE: 7-27-76

CITY CLERK

AYES NAYS ABSTAINED ABSENT TO-WIT:

9



□

11

✓

✓

✓

✓

✓

✓

✓

✓

✓

DATE: 8-10-76

CITY CLERK

ORDINANCE (~~RESOLUTION~~) No. S-144-76 on the 10th day of August, 1976.

ATTEST:

(SEAL)

CITY CLERK

PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 11th
day of August, 1976, at the hour of 10:30 o'clock A M., E.S.T.

CITY CLERK

Approved and signed by me this 11th day of August, 1976,

at the hour of 3:30 o'clock P.M. E.S.T.

MAYOR

Bill No. S-76-07-36

REPORT OF THE COMMITTEE ON CITY UTILITIES

We, your Committee on City Utilities to whom was referred an Ordinance
approving Change Order No. 10 in connection with Division I of the Water
Pollution Control Plant Expansion Project

have had said Ordinance under consideration and beg leave to report back to the Common
Council that said Ordinance DO PASS.

Paul M. Burns - Chairman

John Nuckols - Vice-Chairman

William T. Hinga

Fredrick R. Hunter

Samuel J. Talarico

DATE 8-10-76 CONCURRED IN
CHARLES W. WESTERMAN, CITY CLERK

PROJECT Water Quality Control Project OWNER City of Fort Wayne, Indiana
 DIVISION/~~SECTION~~ I - Water Pollution Control Plant Additions
 CHANGE ORDER NO. 10

TO: Hagerman-Shambaugh - Joint Bidders

% Hagerman Construction Corporation

P.O. Box 690 - 403 Strauss Building

Fort Wayne, Indiana 46801

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	<u>Previous</u> Contract Amount	<u>Increase</u>	<u>Decrease</u>	<u>Net Change</u> (Decrease) (Add)	<u>Revised</u> Contract Amount
TOTAL	\$ <u>21,004,684.10</u>	\$ <u>16,681.00</u>	\$ <u>1,958.00</u>	\$ <u>14,723.00</u>	\$ <u>21,019,407.10</u>

Description of Change:

Add

Deduct

Item No. 1

Furnish all labor and materials necessary to install 31 L.F. of removable metal and glass office partition in the existing chlorination control building control room.

\$ 1,250

Item No. 2

Furnish all labor and materials necessary to install the Vaponics Stilomatic #STE-2 water purification system in lieu of the Vaponics unit that was specified. This water system is located in the new laboratory.

No Change

Item No. 3

Furnish all labor and materials necessary to comply with the attached drawing which describes how the area between the existing primary tanks is to be backfilled and drained.

The following list is a breakdown on material and labor costs.

PAGE NO. 2

CHANGE ORDER NO. 10

PROJECT Division I - Water Pollution Control Plant Additions

<u>Item No. 3 - (Continued)</u>	<u>Add</u>	<u>Deduct</u>
1. Fill area between tanks with coarse granular material	\$ 2,760	
2. Cap one catch basin and raise one manhole to grade	320	
3. Add 2 runs 120' long of 4" perforated plastic drain pipe	190	
4. Add concrete walk and stone surface	1,190	
5. Delete /36' of handrail		\$ 560
6. Revise electrical duct and manhole		1,398
7. Raise two cleanouts	225	

Item No. 4

Furnish all labor and material necessary to revise the direction of swing of 12 aluminum doors and add panic hardware to four of the twelve. Following is a breakdown of the additional cost:

1. Rework and turn door glazing	490
2. Rework and turn transom glazing	332
3. Rework doors and install panic hardware	3,147

Item No. 5

Furnish all labor and material necessary to install six 3-inch pipe struts between the craneway columns located in new blower building. Each strut shall be connected to 3 angle brace secured to the bottom chord of the roof truss.

1,460

Item No. 6

Furnish all labor and material necessary to install four additional W 12x27 beams to the four new W 24x76 beams, which supports the new stormwater pump base plates.

Add four W 12x27 beams

966

PAGE NO. 3

CHANGE ORDER NO. 10

PROJECT Division I - Water Pollution Control Plant Additions

	<u>Add</u>	<u>Deduct</u>
<u>Item No. 7</u>		
Furnish all labor and material necessary to raise Control Panel #1 and 2 in the Plant Water Pump Room approximately 18".	\$ 287.00	
<u>Item No. 8</u>		
Furnish all labor and material necessary to install a new expansion joint and waterstop between the new plant water pump room and the existing aeration tank pipe gallery. The following is a summary of tasks that will be performed:		
1. Remove the new concrete floor, saw a notch in the existing concrete stair, install a rubber waterstop with epoxy grout and repour the floor with an expansion joint against the existing stairway.	1,465.00	
2. Excavate and backfill at the juncture of the north wall of the Plant Water Pump Room and the Existing Stairwell and install expansion joint material similar to the joint at the Existing Aeration Tank Pipe Gallery at this wall juncture and also at the wall juncture of the west wall of the Plant Water Pump Room and the Existing Stairwell.	1,770.00	
<u>Item No. 9</u>		
Furnish all labor and material necessary to install six new automatic door closures to the six doors on the engine generator acoustical enclosures.	639.00	
<u>Item No. 10</u>		
Furnish all labor and material necessary to revise the location of the Lime Sludge Metering Pit No. 1. See attached drawings for revisions.	190.00	
Totals	\$16,681.00	\$ 1,958.00
Net Change - Add	\$14,723.00	

PAGE NO. 4

CHANGE ORDER NO. 10

PROJECT Division I - Water Pollution Control Additions

Note:

This change does not affect the completion date.

RECOMMENDED:

HENRY B. STEEG & ASSOCIATES, A DIVISION
OF HOWARD NEEDLES TAMMEN & BERGENDOFF

By Ray N. Woche
Title Project Engineer Date June 23, 1976

ACCEPTED:

HAGERMAN-SHANBAUGH

ACCEPTED FOR: HAGERMAN CONSTRUCTION CORP.
CONTRACTOR

By Mark F. Hagerman
Title V.P. Date 6-28-76

ACCEPTED FOR: SHAMBAUGH & SON, INC.
CONTRACTOR

By Jim Z. Shank
Title Manager Date June 28, 1976

APPROVED:

CITY OF FORT WAYNE, INDIANA
OWNER

By Henry P. Wehrenberg
Henry P. Wehrenberg, Chairman
Ethel H. LaMar

Ethel H. LaMar, Member
Max G. Scott
Title BOARD OF PUBLIC WORKS
Date: July 12, 1976

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary to provide additional office space for plant personnel associated with the industrial waste monitoring and surveillance program. This office will be provided by partitioning an area within the existing chlorination control room of the existing chlorine building.
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional material

3. Affect on operation and maintenance cost of this project:

N/A

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is being requested to furnish the new laboratory with a more efficient and modern water purification system than what was specified. The unit specified would not produce the quality of distilled water that the Stilomatic unit will.

2. Will proposed change alter size of the project? Yes _____ No X

If yes, explain

3. Affect on operation and maintenance cost of this project:

Laboratory test will be able to be run more accurately and efficiently with the Stilomatic system.

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change will eliminate a safety hazard for employees and persons touring the facility. This work provides a more suitable and shorter walk between the main control building and chlorination building. It also eliminates a problem area that in the past has needed much maintenance to keep it clear of trash and vegetation.
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional stone, backfill and drainage piping will be required.

3. Affect on operation and maintenance cost of this project:

Maintenance time will be reduced by eliminating the low area between primary tanks.

Engineer

Item No. 4

Board Order No. _____

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary to conform with the uniform building codes. These doors were to be direct replacements with the door swinging in the same direction as existing. The building codes require all new doors to swing outward from the building. Panic hardware is provided where rapid exit may be necessary for safety of occupants.
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Reworking of the doors will be required to make them fit the appropriate area.

3. Affect on operation and maintenance cost of this project:

N/A

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is required to provide crane support column stiffeners under loads which could be imposed and reduce potential maintenance problems with the new overhead crane. The low head crane being employed has more stringent lateral restrictions than the original proposed crane.
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional steel pipe is required.

3. Affect on operation and maintenance cost of this project:

Column deflection without stiffeners could produce binding or excessive wear of crane components. By adding the pipe stiffeners, such maintenance problems would be reduced.

Engineer

Item No. 6

Board Order No. _____

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to the torque that will be created by the new stormwater pumps. The additional steel beams will be needed to support the pump base plate between the proposed main supports.

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

4 additional steel beams will be required to be installed.

3. Affect on operation and maintenance cost of this project:

N/A

Engineer

Item No. 7

Board Order No. _____

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to recent experience with plant
water pump room flooding. By raising the control panel it will reduce the chance
of damage occurring to the panels if the tunnel should flood.
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional material and labor will be required.

3. Affect on operation and maintenance cost of this project:

The chance of having to have controls reworked because of water damage will be
reduced.

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to experience with the construction joints that were made in the last plant expansion. By installing expansion joint and waterstops now, this will reduce the chances of any problem occurring in the future.
- _____
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional labor and material will be required to perform this work.

3. Affect on operation and maintenance cost of this project:

This change will eliminate any maintenance in the future.

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: The addition of six (6) automatic door closers are necessary
so that all doors on the new acoustical enclosures will be kept closed. The primary
reasons for keeping the doors closed are for security, safety and for proper ventila-
tion.
- _____
- _____
- _____
- _____
- _____
- _____

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain.

Additional labor and material will be required.

3. Affect on operation and maintenance cost of this project:

See Above

Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: Due to the location of the existing driveway the new lime
sludge metering box must be moved east 5'-0". This will permit service or main-
tenance to be performed without working in the driveway.

2. Will proposed change alter size of the project? Yes X No _____

If yes, explain

Additional concrete modification will be required.

3. Affect on operation and maintenance cost of this project:

See Above.

Engineer

TITLE OF ORDINANCE SPECIAL ORDINANCE on Change Order No. 10 on Division I of WPC Expansion

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

SYNOPSIS OF ORDINANCE Change Order No. 10 of Hagerman-Shambaugh in amount of

\$14,723.00 provides for miscellaneous changes and additions on the Water Pollution
Control Plant Expansion.

(SEE ATTACHED FOR THE 10-ITEM CHANGE EXPLANATIONS)

EFFECT OF PASSAGE Provisions for more efficient and safe operations

EFFECT OF NON-PASSAGE Probable need for adjustments in near future

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) \$14,723.00 additional contract
costs - Federally funded project.

ASSIGNED TO COMMITTEE Citywide